



...and other ICT, media & popular culture news

Lindy Hathaway, Dickson College



ISTE NETS (International Society for Technology in Education: National Educational Technology Standards) – The standards for learning, leading and teaching in the digital age

NETS for Students, Teachers, Administrators, Coaches, Computer science teachers

<http://www.iste.org/standards.aspx>

Links to resources and some sessions at ISTE 2012

<http://www.scoop.it/t/iste-2012-tools>

Watch the videos of these 50 sessions (click the title link to open)

http://www.isteconference.org/2012/program/search_results.php?selection_id=77415345&nocache=1341258376

Sir Ken Robinson

- Reforms implemented by politicians in education in recent years have not been beneficial – in the US and elsewhere
- “The problem is the whole process of education is being based on an impersonal approach and a suffocating culture of standardization”.
- Technology should serve a more holistic educational goal
- There must be greater individualization of educational experiences for students



Marc Prensky

- We live in the Screen Age – later, it might be the Hologram Age
- What do we do better than technology? Teachers have empathy; students have passion.
- Passion will lead to achievement.
- Help students find and follow their passion (motivation, learning, jobs etc)
- Move forward to digital respect (natives vs immigrants – they won)
- New things in technology grow old quickly – today's teachers must be courageous and daring



Mayim Bialik, Ph.D

- The heart of teaching will not change
- One teacher and one student making a connection is an important relationship
- Arrrgghh product placement!



Need a tablet?

- The future of education is wireless (Qualcomm)
- The number of mobile devices will exceed the world's population in 2012
- There will be over 10 billion mobile-connected devices by 2016
- By 2016, mobile-connected tablets will generate almost as much traffic as the entire global mobile network does in 2012

<http://techcrunch.com/2012/02/14/the-number-of-mobile-devices-will-exceed-worlds-population-by-2012-other-shocking-figures/>

- 56 million tablet sales in 2011
- 760 million tablets in use by 2016
- Tablets will replace PCs as the user's digital hub and primary computing device – at home and in the office

http://news.cnet.com/8301-13579_3-57420541-37/tablets-expected-to-become-preferred-computing-device/



Yong Zhou keynote: Global, creative and entrepreneurial – defining high quality education

- The importance of creativity and personalisation in education
- Inverse relationship of high national test scores to national productivity and creativity
- PISA 2009: “largest international academic horserace”. Won by China in all 3 categories (replaced Finland).
- Paradox: USA scores poorly in international studies of ed. scores but is still doing fine.
- Entrepreneurial activity has a negative correlation with PISA scores

<http://zhaolearning.com/>



The wisdom of Yong Zhou

- US students have confidence
- Lady Gaga was created in the US via the US curriculum
- Tolerance, talent in US system
- You can't teach creativity but you can kill it
- US schools don't teach better, they kill less successfully 😊

His recommendations:

- Education should be about enhancing human capacity
- The curriculum should follow the child and be personalised and strength-based
- Education should be product-based: students should be makers, designers and creators NOT consumers
- Go global

- Education should be future-oriented starting with each child instead of an authoritative prescription of knowledge and skills

His book: *World class learners: educating creative and entrepreneurial students*





Quotes from ISTE

Chosen by Carolyn Foote

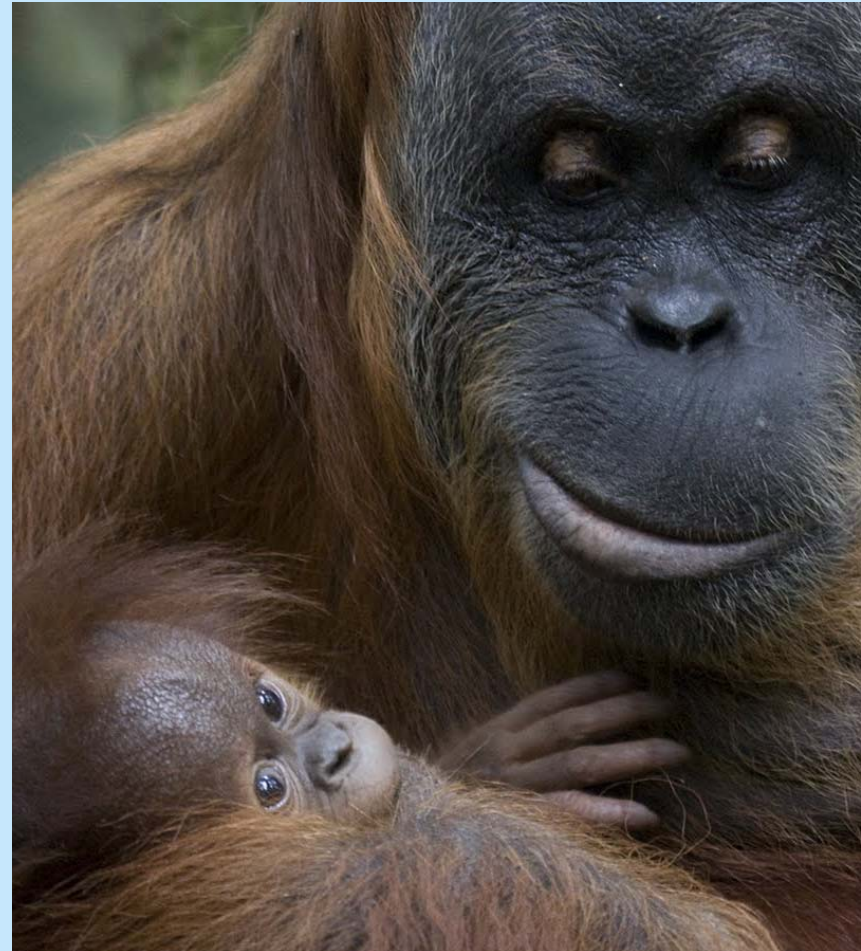
- “Can any school create a common core for Lady Gaga?” **Yong Zhao**
- “Curriculum should develop the personal strength of students. It’s not about fixing deficits.” **Yong Zhao**
- “Less us, more them.” **Gary Stager**
- “Learn first, teach second.” **Will Richardson**
- “What IF?” **David Jakes**
- “What do we need to unlearn?” **Will Richardson**
- “Don’t deliver curriculum. DISCOVER it.” **Will Richardson**
- “Most of us work in schools that have had computers for 30 years and yet we are still cajoling teachers to use them.” **Gary Stager**
- “Why should I leave my recliner to come to your library?” **Doug Johnson**

Closing keynote: Willie Smits (conservationist) and Chris Gauthier (Qld science teacher)

- DeforestACTION – a global collaborative project to stop deforestation and create permanent habitat for orangutans and other species in Indonesia
- 17 000 students collaborate globally to solve this real-world problem with social networking & other online tools & new pedagogies

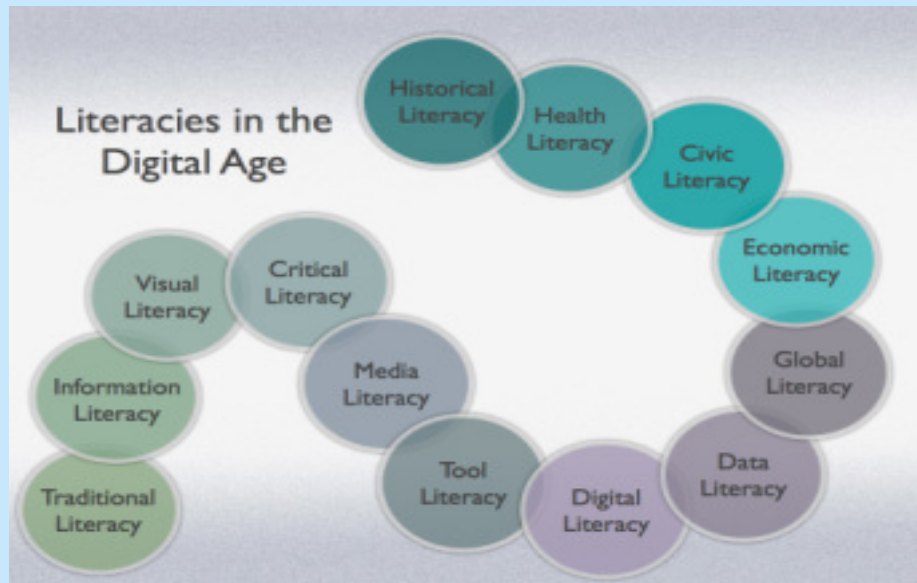
<http://www.deforestaction.org/about/>

<http://www.couriermail.com.au/ipad/its-a-jungle-out-there/story-fn6ck45n-1226284393055>



Kathy Schrock: Literacies in the digital age

- Traditional literacy
- Information literacy
- Visual literacy
- Critical literacy
- Media literacy
- Tool literacy
- Digital literacy
- Data literacy
- Global literacy
- Economic literacy
- Civic literacy
- Health literacy
- Historical literacy



<http://kathyschrock.net/>

<http://www.schrockguide.net/literacy-in-the-digital-age.html>

Features of the future technology-based curriculum

Jonathan Blank: Ignite session (ISTE 2012)

“Studies show that technology has made no improvement to learning or test scores. We must marry technology to sound pedagogy first”.

1. Digital delivery
2. Harnessing the power of experts
3. Gamification (badges, levels)
4. Customization and individualized instruction
5. Providing choice
6. Rapid innovation and adaptation
7. Utilizing new science and how the brain works
8. Employing wiki/open source/crowdsourced approach
9. Evolving to success-based education
10. Shifting to a “test when ready” methodology

“Ignite: enlighten us, but make it quick”: Speakers present 20 slides that advance every 15 secs, making a 5 min. talk.
<http://igniteshow.com/>

Today's meet

Today'sMeet

Talk. Listen.

Today'sMeet helps you embrace the [backchannel](#) and connect with your audience in realtime.

Encourage the room to use the live stream to make comments, ask questions, and use that feedback to tailor your presentation, sharpen your points, and address audience needs.

Create a Room.

Name your room

ie: <http://todaysmeet.com/>

Delete the room in

one week

how long will the room data be saved?

Twitter hashtag

#

Tweets with this hashtag will be pulled into the room.

By submitting this form you agree to the [Privacy Policy](#) and [Terms](#).

Create your Room.

[Blog](#) | [About](#) | [Help](#) | [Privacy](#) | [Terms of Use](#) | © 2008–2009 [James Socol](#).

<http://todaysmeet.com/>

- Embrace the backchannel and connect with your audience in real time
- Encourage the room to use the live stream to make comments, ask Qns etc
- Use the feedback to address audience needs

Easy infographics

- Easel.ly: Create and share visual ideas online

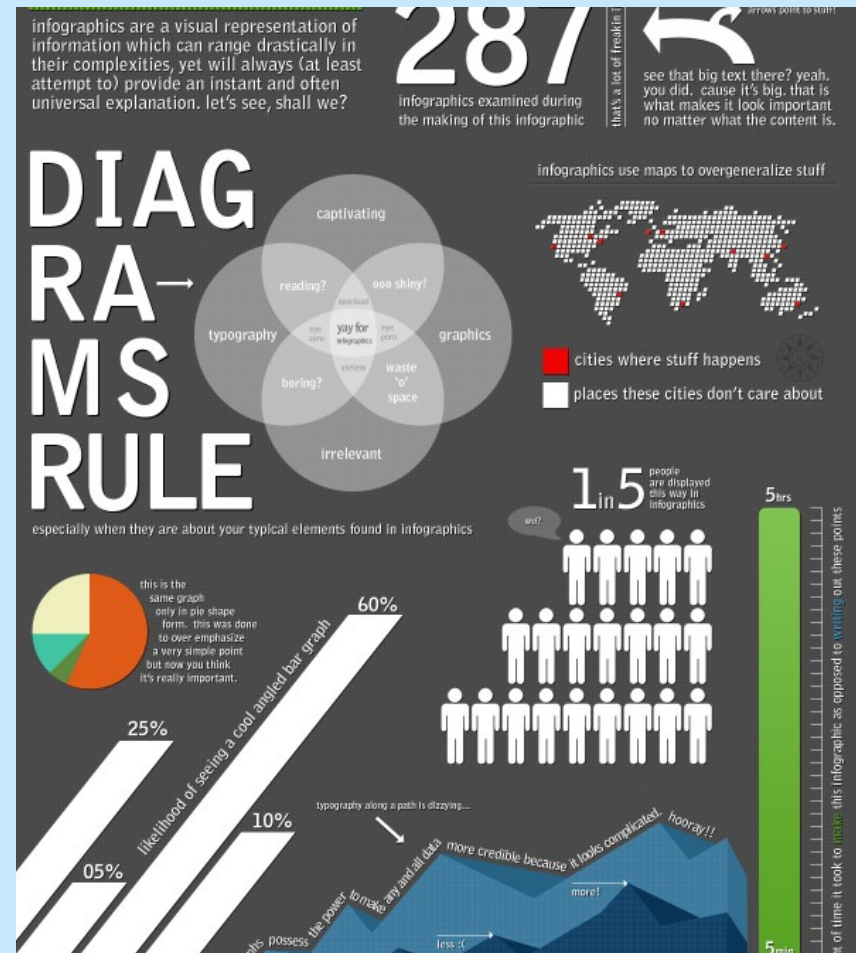
<http://www.easel.ly/>

- Visual.ly: Empowers people to tell stories with data

<http://visual.ly/>

- An infographic a day: informative!

<http://davidwarlick.com/graphicaday/>



Many eyes: data visualizations

<http://www-958.ibm.com/software/data/cognos/manyeyes/visualizations>

- An experiment by IBM Research
- Upload data, pick a visualization, create, download into PPT
- Visualizations (graphs, charts etc) available:

http://www-958.ibm.com/software/data/cognos/manyeyes/page/Visualization_Options.html

ICTMagic (Winner of Best Educational Wiki 2011 Edublog Awards):

Many excellent websites & apps for education

<http://ictmagic.wikispaces.com/>

ICTMagic scoopit: resources from the ICTMagic wiki page

<http://www.scoop.it/t/ictmagic?page=1>

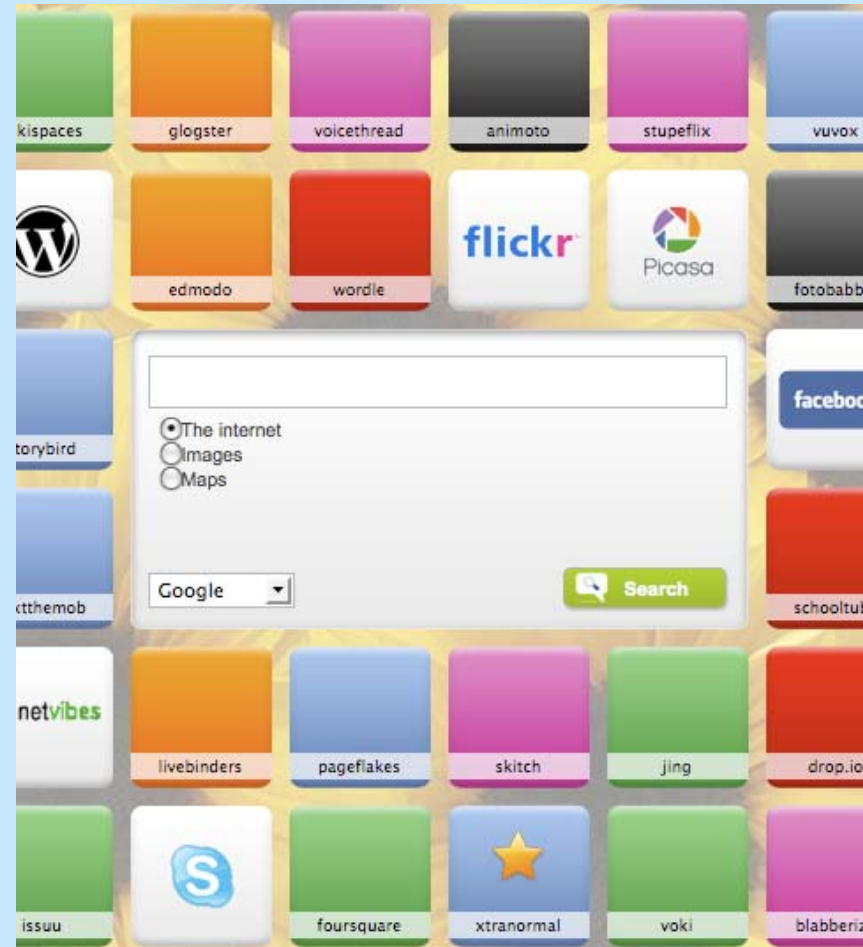
APPitic: 1800+ apps for education selected by Apple Distinguished Educators

<http://www.appitic.com/>

Symbaloo: access your bookmarks anywhere

<http://www.symbaloo.com/>

- Websites displayed as clickable tiles
- Install the bookmarklet and add websites with one click
- Publish your webmixes and share them
- Search for tiles and webmixes shared by others



Adam Bellow: Edutecher

ISTE Outstanding Young Educator of the Year 2011

<http://www.edutecher.net/index.php>

Edutecher TV: webisodes, tools & websites

<http://www.edutecher.net/tv.php>

Explore valuable webtools and resources. Search by subject & grade level:

<http://www.edutecher.net/links.php>

Educlipper: Clip everything. Share anything.

<http://www.educlipper.net/>







Google apps for education

All their tools including gmail

www.google.com/apps/edu/

Chrome web store

Great ed apps, extensions and themes for
Google Chrome

<https://chrome.google.com/webstore>

YouTube Edu

Educational videos

www.youtube.com/edu

Google Drive: keep everything. Share anything.

Install and get 5 GB storage for free. The home
of Google Docs

<https://drive.google.com>

Google in education

Hundreds of free online tools, programs and
PD resources

www.google.com/edu

Google search education hub

Search tips & lessons for teachers & students

www.google.com/insidesearch/searcheducation

Chromebooks for education

Fast and easy to manage computers always
connected to the web

www.google.com/chromebook/education

Google Knowledge Graph

Search for people, places, objects and extra
links will pop up on the right of the screen

Microsoft Windows 8

- Release date: October 2012
- New operating system designed to look the same for tablet and desktop computer
- Will use tiles instead of windows

Word

- Docs will save to SkyDrive by default
- YouTube videos can be inserted
- New designs for simple layouts

Outlook

- Built-in Skype
- Quick access to contacts' social networking activity

PowerPoint

- New presenter view
- Finger or stylus to make notes on screen

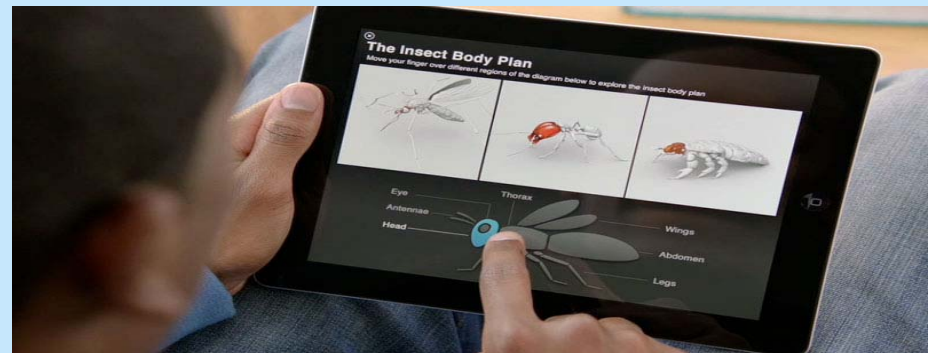
- Internet Explorer 10 will have “do not track” the default setting so your personal information is not tracked while you are online
- World Wide Web Consortium (WWWC) sets internet protocols and is developing internet privacy standards but probably will not recommend “do not track” as default. Users will have to “opt out”.

<http://www.techradar.com/news/mobile-computing/tablets/windows-8-tablets-what-you-need-to-know-916134>



Managing 1000 iPads

- Geoff Powell: St Hilda's School, Gold Coast QLD - Interactive teaching & learning conference, Sydney 10/8/12
- Purchased 1 iPad on its release date in the USA
- Gave it to a student: "Tell us if you find it useful"...it was!
- Yrs 7-9 have iPads; Yrs 10-12 BYOD (97% bring iPads or Macs)
- Students are given a required list of apps: cost \$55. Must have Microsoft Office compatibility & read ePUB/PDF
- Hold their own school version of TED
- Negotiated with publishers about PDF textbooks – many difficulties
- Now creating textbooks in iBooks Author
- Students like textbooks on iPad; far less printing now
- What was the best thing about iPads?....the blow-up feature (zoom in)



Twitter

- ABC show *Play School*: the presenter tweeted, blogged, texted, emailed and checked his “play book” (cardboard computer).
- “What can I do while I wait...I will Twitter” he said.
- *Play School* has iPhone apps and online games
- Study looked at 40 000 news articles and how they were retweeted over 9 days. They developed an algorithm that was 84% accurate in predicting how popular tweets would be.
- Emotional tone was unimportant. Crucial factors: source of info; references to well-known people; the topic (technology attracted most interest, then health, then fun stuff).
- The algorithm will be patented – it will be useful for journalists, advertisers, activists, politicians...



<http://www.pcmag.com/article2/0,2817,2405663,00.asp>

The end of email? And what about the cloud?

- Some companies plan to get rid of it, but the alternatives can be even more intrusive

<http://www.smh.com.au/it-pro/business-it/an-end-to-emails--heres-the-way-20111207-1oi8i.html>

- Steve Wozniak, co-founder of Apple, predicts “horrible problems” in the next 5 years as more data is uploaded to the cloud. “With the cloud you don’t own anything. You already signed it away”.

<http://www.wired.com/cloudline/2012/08/wozniak-right-and-wrong-cloud/>



Are we all addicted?

- The lure of constant stimulation – pings, rings & updates – is creating a profound physical craving that can hurt productivity & personal interactions. Log off and put your devices down! (Stuart Crabb, Facebook director)
- *DSM of mental disorders* will include “internet use disorder” in its appendix
- Google has started a “mindfulness” movement to teach employees self-awareness because the risks of being overly engaged with devices is immense.
- If we occasionally disconnect, we can have more intimate & authentic relationships with ourselves and those we care for.



MLA citation: no URLs!

- *MLA Handbook* (7th ed. March 2009) states there is no need to include URLs for web citations.
- URLs often change and can be very complex; readers are more likely to find web resources by searching via titles and author.
- However, the medium of publication should be included in each entry.

eg. Felluga, Dino. *Guide to Literary and Critical Theory*. Purdue U, 28 Nov. 2003. Web. 10 May 2006.

<http://owl.english.purdue.edu/owl/resource/747/08/>



Books ☺

Dymocks' 101 best books 2012

As voted by 15 000 readers.

<http://www.news.com.au/entertainment/books/dymocks-annual-list-of-the-101-best-books-as-voted-by-the-australian-public-is-out/story-fn9412vp-1226347409706>

Literary Awards Australia

Gateway to 300 Aust, US, British Canadian, NZ & Irish awards – currently being updated

<http://www.literaryawards.com.au/>

Australian Independent Bookseller

Weekly Top 10 bestsellers; Indie Awards chosen annually; book news

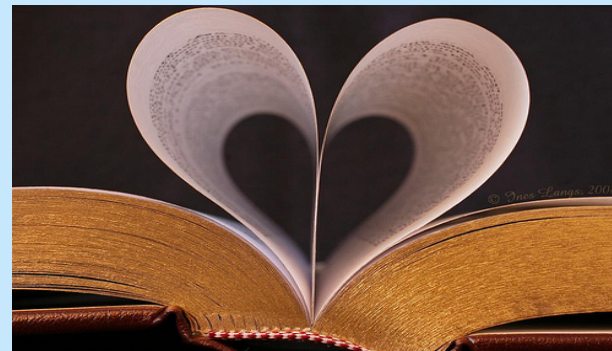
<http://www.indies.com.au/>

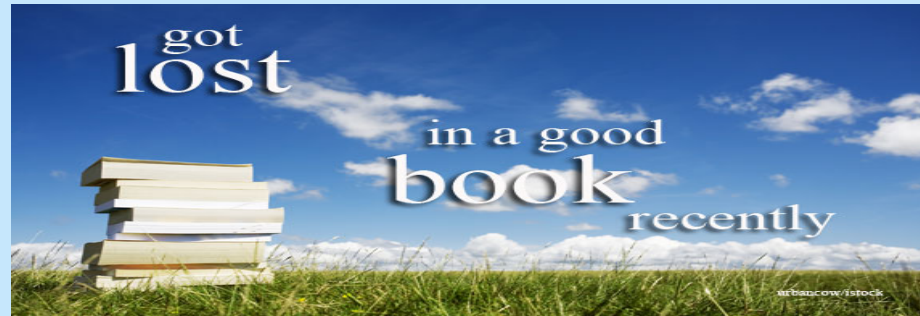
The best 100 opening lines from books

Click on the book covers to reveal the lines. Includes links to **100 best closing lines** and **100 best films based on books**.

<http://www.stylist.co.uk/life/the-best-100-opening-lines-from-books/>

- Jon Page (head of Aust. Booksellers Assoc.): Amazon is the biggest threat to bookstores now.
- Page says: Amazon sells books at a loss – to grab market share & to avoid sales tax. It also charges for including books in its “recommended” lists. If publishers don’t pay Amazon, their books are harder to discover.





- Aust. book publishers dropped RRP by 7% in 2011
- Dymocks opened 8 new stores last year with more coming
- Lack of parallel imports inhibits bookshops from getting books on time
- June 2012: agreement that publishers will bring out local versions of overseas titles within 14 days



Popular TV Aug. 2012

- *Big Brother*
- *Puberty blues*
- *Underbelly*
- *Howzat*

Popular films July/Aug. 2012

- *The Dark Knight rises*
- *Ted*
- *Total recall*



Comic-Con, San Diego

- July 2012 - 125 000 attend
- Get ready for more superheroes!
- *Superman, Iron Man 3, Thor 2, Captain America 2, Guardians of the galaxy*
- *Breaking dawn Pt 2 (Twilight)*
- *Oz the Great and Powerful*: Wizard of Oz prequel. Director: Sam Raimi. Stars James Franco as the Wizard, Michelle Williams as Glinda & Mila Kunis as Theodora.



Comic-Con

- *Game of thrones* - series 3
- *Revolution* – series set in a dystopian world with no electricity (because no one can afford it!). A young woman tries to reunite her family and help restore her country.
- *Elementary* – Jonny Lee Miller as Sherlock Holmes and Lucy Liu as JOAN Watson!

